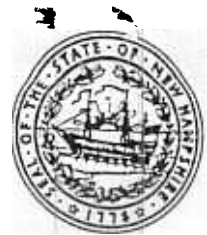




State of New Hampshire  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



April 18, 2002  
**Letter of Deficiency**  
DAM #140.22

Mr. Henry Wainer  
2 Tradewind Lane  
South Dartmouth, MA 02748

RE: Reynolds Dam, Littleton

Dear Mr. Wainer:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on April 4, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

1. There is debris in the spillway resulting in approximately 6 inches of remaining freeboard;
2. There is minor brush on the upstream face of the dam located from the spillway 5 feet to the left;
3. There is minor brush located at the left abutment on both the upstream and downstream face of the embankment;
4. There is brush on the downstream face of the embankment 3 feet to the right of the spillway;
5. There are 2 6"-8" diameter pine trees located on the right downstream embankment adjacent to the right abutment;
6. There is missing soil on the upstream face right end of the right abutment from the spillway to the large rock on the right shore of the pond. The crest is less than 2 feet wide in this area;
7. The dam does not have adequate discharge capacity to pass the design event with a minimum of one foot of freeboard; and
8. There are logs and debris along the entire upstream face of the dam.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**July 12, 2002:**

1. Remove the debris in the spillway;
2. Remove the minor brush located at the following locations:
  - a. Upstream face from the spillway 5 feet to the left;
  - b. Upstream and downstream face of the embankment at the left abutment

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- c. Downstream face 3 feet to the right of the spillway
3. Remove the 2 6"-8" diameter pine trees located on the right downstream embankment adjacent to the right abutment;
  4. Provide a plan to DES to increase spillway discharge capacity or a plan to stabilize the embankment to prevent erosion during overtopping event. If the spillway capacity is increased, the crest width should be increased to a minimum of 6 feet wide; and
  5. Remove the logs and debris from along the entire upstream face of the embankment

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

**COPY**  
Jeffrey M. Blaney  
Dam Safety Engineer

Attachments DB8, DB13

cc: Gretchen Rule ✓

Town of Littleton

Certified # 7099 3400 0002 9773 6613

JMB/was/h:/safety/wendy/lod/140-22lod.doc